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A project designed to permit people from different disciplines to locate and retrieve rapidly, and as specifically as possible, all items in a slide collection that fill their specific needs, is the subject of this paper. A field-test of the system for 35mm slides used within the fields of Art, History, Literature and Drama yielded the following main conclusions: that the system is possible and practical; that slide collections should not be limited to one subject area since they tend to have application in more than one discipline; that these collections are most useful when designed to permit a user to locate items using terminology he is familiar with; that the system is easy to use, is compatible with any shelving or cataloguing system, and can be used either with a computerized or manual retrieval system; and, finally, that there is still a great deal of work to be done to refine and perfect the system. (GO)

NUMBER 4

**THE DEVELOPMENT OF A
RETRIEVAL SYSTEM FOR 35mm. SLIDES
UTILIZED IN ART AND HUMANITIES
INSTRUCTION**

ROBERT M. DIAMOND

MARCH 1969

FINAL REPORT
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U. S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
OFFICE OF EDUCATION
BUREAU OF RESEARCH

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March 1969

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U. S. Department of
Health, Education, and Welfare

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Bureau of Research

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INTRODUCTION

This report represents the first phase of a major project to develop and field-test a functional search and retrieval system for 35mm slides used within the fields of Art, History, Literature and Drama. Therefore, the results of this project should be considered a finished part of the broader, long range program. The objectives of Phase I were three-fold:

1. To evolve a logic and rationale for a retrieval system that would permit the different disciplines to utilize a single 35mm slide collection.
2. To develop a prototype list of identifiers that would meet the requirements of the different subject fields. (For the purpose of this project an identifier is defined as one of a series of terms that can be used to describe a given slide for retrieval purposes.)
3. To test the general practicability and logic of the system by assigning these identifiers to a random selection of approximately 150 slides.

It is anticipated that later projects will expand and field-test the practicality of the approach developed in this report.

The system developed in this project is designed for search and retrieval and should not be confused with a shelving or cataloging system. Therefore, while some of the terms used are identical and while both systems are designed to assist the user, the basic approach between this project and the shelving system

being developed by Simons and Tansey,¹ differ considerably. A shelving system, while usually designed to assist a person in searching for materials, is primarily an organization system for item cataloging. These may range from the Library of Congress and Dewey Decimal systems to the general approach used in the yellow pages of a phone book. A search and retrieval system, on the other hand, is designed to permit the user to locate with a minimum of time and effort, any item in a collection that meets his specific needs. For example, while a single slide will have one shelving or cataloging number, it may have as many as thirty or more retrieval numbers each indicating a specific element of its content. The Simons and Tansey report does propose a new approach to slide shelving and cataloging but does not solve some of the unique problems in slide retrieval. For maximum utilization of materials, a combination of the two systems, each serving a specific need, may be logical.

As noted earlier, the system developed in this project is primarily designed to permit individuals from different disciplines to locate, rapidly and as specifically as possible, all items in a slide collection that fill their specific needs.

¹Wendell W. Simons and Luraine C. Tansey, A Universal Slide Classification System with Automatic Indexing (The University Library, University of California, Santa Cruz), 1969, 183 pps.

NEED

The last decade has seen a major increase in the use of instructional media. By 1962, 96% of all elementary and secondary schools reported owning slide-filmstrip projectors with nearly 100% having at least one motion picture projector.² This growth has not been limited to the public schools. Most institutions of higher learning now have instructional support units developed primarily to assist faculty in the selection and use of audiovisual techniques and materials. In a concerted effort to handle large numbers of students, many colleges and universities have embarked on a major building program. High priority in the majority of these cases is the construction of large lecture halls for hundreds of students, providing, for the first time, teaching spaces designed to effectively utilize all the media--film, slides, filmstrips, transparencies, television--for quality instruction.

Of all the available teaching aids, one of the most flexible and easily used is the slide projector. It is, therefore, somewhat surprising to find that when compared with other equipment in a national survey, this projector was next to last in both incidence and frequency of use in the public schools.³ Even in those subject areas where 2 x 2" slides are ideally

²Eleanor P. Godfrey, Audiovisual Programs in the Public Schools, Spring 1962, (Bureau of Social Science Research, Inc.), Washington 1964, p. 12.

³Ibid., p. 44.

suited for instruction, they are not being fully utilized. In this survey, less than one out of every five fine arts and social science teachers reported using slides.⁴

A key reason for this limited use has been the problem of accessibility. The number and scope of items in a slide collection create a major problem of cataloging. How can a large collection of slides of diverse utility be cataloged so as to permit retrieval of individual items with precision? Conventional cataloging systems are usually organized under a limited number of identifiers, thus restricting utilization by teachers from various disciplines. History teachers, for example, find it difficult to locate specific slides when filed in a collection developed by an art department; and a specialist in literature might wish to use a completely different series of categories from those of a historian. Therefore, while the slide might be the same, the titles under which it is filed will differ substantially, depending on the specific interest and needs of the individuals or departments doing the filing.

In the last few years there has been developed a search and retrieval logic that has been applied successfully to document cataloging in a variety of fields. The most comprehensive of these projects has been the development of the Office of Education's Education Research Information Centers. Under this project, a number of specialized information clearinghouses have been established and each, following an established

⁴Ibid., p. 26.

guideline, has developed a set of identifying terms for use in its particular field.⁵ A description of this general approach as used in a retrieval system for periodical literature will be found in Appendix D. With this process, it has become possible for an item to be crossfiled under a comprehensive list of identifiers permitting easy and quick retrieval by anyone using the system.

In summary, this project was designed to explore the practicability of applying this same basic search and retrieval logic to a collection of 35mm slides used by individuals from various subject areas. An approach that would permit users from various disciplines to locate slides that meet their unique needs with a minimum of time and effort.

PROCEDURE

Since the main emphasis of the project was to develop a set of guidelines for a search and retrieval system using the collection of 35mm slides, it was decided to limit the actual list of identifiers, as much as possible, to a single representative period. This system would then form the framework and logic for the development of a more comprehensive and complete set of identifiers. Seventeenth Century Europe (Hapsburg Empire, England, France, Germany and Italy) was selected arbitrarily to serve this purpose. When certain lists

⁵"ERIC--Guidelines for the Development of a Thesaurus of Educational Terms," Office of Education, Washington, D. C., 1966.

were restricted by this specific period (artists, authors, etc.) the limitation was removed from the general list to permit a comprehensive system to be developed.

The following developmental procedure was followed:

1. Subject matter specialists from the fields of European History, Art History and 17th Century Literature developed a preliminary list of identifiers for their individual disciplines.
2. The three lists of identifiers were field-tested on a random sample of slides and then combined into a single system.
3. The list of identifiers and a description of the proposed retrieval logic was then sent to the Advisory Committee (see Appendix A) for reactions and feedback.
4. At a joint conference, the subject matter specialists and Advisory Committee reviewed the identifier list and finalized an overall strategy.
5. The individual items and general organization of the identifier list was then revised according to conference recommendations.
6. The final identifier list was, as the final step to this project, applied to a random sample of slides to evaluate the general feasibility of the proposed plan for an identifier assignment.

The problems faced by this group were unique and required a retrieval logic that, while it is being used by research libraries, has not yet been applied to non-book materials. It was, for example, apparent from the beginning, that each of the

three disciplines would often use entirely different terms and logic to search for an identical slide. This difference, as the project progressed, proved to be far more extensive than originally anticipated. For example, while the art specialist might be interested in the artist, technique, and media, the historian would focus on date of the subject, the activities being shown, and the historical relationship of the content. At the same time, the literature specialist would use the same slide to depict the social climate that existed during the developmental period of an author or to illustrate a particular sequence in a given novel.

A second major problem was one of dating. While the art field required the date of production, the other areas were more concerned with the date of the subject. For example, a slide produced in the 20th Century depicting a battle during the Civil War, would, for retrieval purposes, need to be filed under different dates to meet the needs of the various disciplines. The same type of discrepancy exists in location with the art instructor usually interested in place of production, while the historian and literature specialist prefer to identify the location of the area being shown.

It became apparent that if the system was to be developed it had to have the following capabilities:

1. *It had to be workable with various shelving systems that now exist.*
2. *It had to be compatible with either a computer based*

or manual retrieval system and thus be usable in major as well as minor slide collections.

- 3. It had to be open-ended permitting individual collections with specialized interests to easily add new identifier terms.*
- 4. It had to provide the capability for the various disciplines to use the same collection of materials without major limitations.*
- 5. The system had to be easy to use with a retrieval logic that could readily be explained to the new user.*
- 6. Once instituted, the system had to offer a minimum of operational problems.*

HOW THE SYSTEM WORKS

To facilitate use, the identifiers themselves have been divided into six major areas selected to follow a logical search sequence. These categories are as follows:

- I. What is it (Applied Art, Architecture, Drawing, Painting, Sculpture, etc.)
- II. Who made it (Artist)
- III. When
 - A. Date of Production
 - B. Date of Subject
- IV. Where
 - A. Where Produced
 - B. Location of Subject

V. Subject (Content and/or function, i.e., battle sites, general category of content, type of building, geographical, authors, type of portrait, type of weapons shown, etc.)

VI. Collection (Where now located)

While the identifiers selected for use on this pilot project are broad in scope and comprehensive, they are by no means complete. (See Appendix B.) As noted earlier, emphasis was placed on developing a logic that would work rather than on a specific, comprehensive list of content identifiers. A more comprehensive list of content identifiers will be found in the Simons and Tansey⁶ report.

For retrieval purposes, each identifier is given an identification number. These numbers precede the terms in Appendix B and while arbitrary, must be assigned and used for simple retrieval. For example:

28 - Drawing	31 - Pastel
29 - Charcoal	32 - Sanguine
30 - Pencil	33 - Silver-point

The use of identification numbers is described in detail later in describing the retrieval of slides, on pages 11 and 12.

To handle the critical problem of dates--when produced and the date of the subject--a simple but extremely efficient system

⁶Wendell W. Simons and Luraine C. Tansey, A Universal Slide Classification System with Automatic Indexing, (The University Library, University of California, Santa Cruz), 1969, 183 pps.

has been evolved. Each area is handled separately but in an identical manner. The only item that differs is the identifier identification numbers for date of production and date of subject.

Identification by individual years becomes possible with the use of three identification terms:

- 1 - BC or AD
- 2 - Century (1-20)
- 3 - Year (0-99)

Thus, the year 1857 would be obtained by combining AD with 19th Century and the year 57. If an individual library wished also to permit broader searching by ten year intervals, this could be done by simply adding to the system identifier terms and identification numbers for 0-9, 10-19, 20-29, etc. When a painting was produced over several years, the mid-year has been arbitrarily used for the date of production.

Adding Identifiers

One advantage of the proposed system is that additional identifier terms can be easily added by an individual library or on a national level. For example, in an earlier draft of the identifier list used in this project, the type of media used in painting and sculpture were omitted. The new terms were added, placed in the system in their proper position, and assigned the next available identifier numbers. The painting area now appears as follows:

35 - Painting

36 - Ceiling (dome)

37 - Miniature

38 - Mural (wall)

39 - Portable

Media

668 - Oil

669 - Tempera

670 - Watercolor

671 - Other

By this process, specialized collections can add detailed identifiers to meet their unique needs and new terms as they become accepted can also be included. It should be noted, however, that experiences with other retrieval systems have indicated that the fewer the number of terms in a system, the easier it is for most individuals to use.

Placing a Slide in the System

Upon acquisition each slide is assigned the maximum number of identifier terms that describe its characteristics. For example, a hypothetical oil portrait by the Spanish artist, Alonso Caro, produced in 1665 of the French King Francis II (1559-60), might be assigned the following terms: (For the purpose of this example, the king is dressed in his regalia and some of the regal jewelry is clearly pictured.)

3 - Clothing	376 - 59
7 - Jewelry	422 - Europe & Mediterranean Basin
35 - Painting	430 - Iberian Peninsula
668 - Oil	455 - Europe & Mediterranean Basin
147 - Alonso Caro	460 - Gaul/France
174 - AD	499 - Figure
191 - 17th Century	500 - Kings and Executives
260 - 65	586 - Portrait
296 - AD	587 - Single
312 - 16th Century	516 - British Museum, London

In the above example, the identifiers 174 (AD), 191 (17th Century), and 260 (65) combine to give the date of production, 1665. The next three identifiers, 296 (AD), 312 (16th Century), and 376 (59) generate the date of the subject, 1559. If Francis II had played a key role in a piece of poetry (560), written in sonnet form (563) by Lesage (547), these additional terms would have been added.

To assure proper assignment of identifiers, it is proposed that a specialist from each of the three fields (Art, History, and Literature) be involved in the assignment process for each slide in the collection. A tentative list of assigned identifiers for a random sample of slides will be found in Appendix C.

Slide Retrieval

The logic of locating slides in a collection is relatively simple with this technique. An art historian wishing to find

all aerial views of cathedral domes built in France during the 17th Century would simply combine (18) aerial view, (19) domes, (174) AD, (191) 17th Century, (427) Gaul/France, and (491) churches and temples. A historian seeking illustrations of transportation used in the cities during the same period would use the date of the subject identifiers (296) AD, (313) 17th Century, plus (494) cities, towns and villages, and (597) transportation. A specialist in literature would combine the name of the author and the term "portrait" (586) to locate any slides of the individual in question. The major advantage of this system is that it permits the user to utilize any combination of terms he requires to locate all the slides in the collection that meet his specific needs.

This approach is designed to work with either a computer-based or manual retrieval system. In a computerized system, the user would simply type in his list of identifiers 18-19-174-191-427-491 (for our art historian seeking aerial views of 17th Century cathedral domes) and the computer would print out a list of all slides in the collection that meet his requirements. The print-out could simply be a shelving number and title or include additional descriptive information. Several members of the Advisory Committee felt that having available to the user the complete list of identifiers under which a slide is cataloged would provide an additional instructional function proving particularly valuable to those using the collection for research purposes.

While less sophisticated, the alternative manual or optical retrieval system does permit almost every slide library to install an operational retrieval system within the range of most budgets. The total cost of equipment for most systems of this type is under \$2,000. In an optical system, a series of identifier cards are manually combined to indicate those slides in the system which meet the user's requirements. The major limitations of the manual retrieval system are two-fold: First, since each identifier card can accommodate a maximum of 10,000 items, larger collections require subdivision. Second, since only numbers can be used for individual slide identification, the system requires either that the slides be numbered by acquisition or that a system be available to translate the numbers used in the optical retrieval system to the shelving system used in the collection. A detailed description of the optical retrieval system as used in the retrieval of research documents will be found in Appendix D.

CONCLUSIONS

1. That slide collections should be broad in concept and not be limited to a single subject area since the slides tend to have application in more than one discipline.
2. That the application of retrieval logic in a multidisciplinary collection of slides serving art, literature and history is possible and practical.
3. That the differences between disciplines regarding terms used in slide content identification were far

greater than previously believed with far less duplication than first anticipated.

4. That these differences, although very real, will not inhibit the implementation of a retrieval system, although the development sequence of identifier terms must be modified to insure inclusion of terms designed to meet the need of each discipline.
5. That a slide collection will have maximum utilization only when it is designed to permit the user to locate items using the terminology he is familiar with.
6. That the search and retrieval system and logic developed in this project will facilitate maximum collection utilization by:
 - a. Permitting a user to locate, with a minimum of time and effort, those slides in a collection that meet his individual needs.
 - b. Permitting individuals from different subject fields to utilize the terminology of their own discipline.In addition, the system is easy to use, compatible with any shelving or cataloging system, and designed for use with either a computerized or manual retrieval system.
7. That further and desired refinement of the identifier lists will entail many man-hours of expert opinion, extensive cross referencing, professional validation, and extensive data searching.

RECOMMENDATIONS

35mm slides are a major instructional resource serving teachers, students and researchers. Cataloging and retrieving problems have, however, seriously limited utilization, with most collections designed to serve only a small portion of the potential users. The following recommendations are being made to facilitate maximum utilization of these collections with a minimum of duplicated effort:

1. That a national interdisciplinary system of slide labeling and shelving be established for use by both libraries and commercial publishers.
2. That a national list of content identifiers be established along the guidelines and logic developed in this project and that all the disciplines using slide collections be involved in the developing of this list.
3. That, to facilitate utilization, separate identifier lists be developed for those collections that lend themselves to separation (Far Eastern, Primitive, etc.).
4. That before national adaption, the filing and search and retrieval systems be field-tested in representative collections serving different populations.
5. That, once an accepted list of identifiers is established, a series of cooperative projects be supported to assign identifiers to individual slides and/or collections, and that these projects generate a series of publications that would include shelving numbers and specific identifier assignments.

APPENDIX A

List of Participants

First Draft of System and Sample Pages Identifier List

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The attached draft list of slide identifiers has been developed for the fields of Art, History and Literature and are limited to the 17th Century. It should be noted, however, that while some categories are limited solely to this period (dates, some locations, writers and artists, etc.) others are more general and would be appropriate to most slides found in major collections. These latter identifiers would include those under the more general headings, such as geographical, content, form, materials, subject, etc.

Under this system, specialists in the three disciplines assign to each slide those specific identifiers that are appropriate to their field. For example, an oil painting of a street scene in England showing a cathedral might be given the following identifiers:

1, 2, 3	(1600 to 1629)
22	Stuart England
51	Cities
53	Churches and temples
102	Shakespeare (if the location was relevant to one of his plays)
189	Painting
211	Genre
241	Realism
320	Nicholas Stone (the artist)

In the retrieval system that will be used, any one of these terms or combination of these terms would identify this

particular slide. An art historian would have it identified if he were seeking a Genre oil painting of an early 17th Century city in England, as would an English teacher searching for slides related to Shakespeare.

The search and retrieval system itself will be described in more detail in the final report.

The main purpose of the Advisory Committee meeting will be two-fold:

1. To make revisions in the present identifier list.

(The system itself will be field-tested on a selection of slides during this meeting.) It should be noted that a system such as this is highly flexible, permitting additional terms to be added as needed. Prior to this meeting, advisors should not only check specific terms but the general headings for their subject area.

2. To make recommendations for Phase II of this project. Phase II should include expansion and field-testing of this system. The revised identifier list will be applied, following the Advisory meeting, to approximately 500 slides selected for this purpose. An attempt will be made to have these slides as representative as possible.

IDENTIFIERS - 17th CENTURY
(9/30/68)

GENERAL

0 - Detail or Section

Chronological (Date of Subject)

1. 1600-1609
2. 1610-1619
3. 1620-1629
4. 1630-1639
5. 1640-1649
6. 1650-1659
7. 1660-1669
8. 1670-1679
9. 1680-1689
10. 1690-1699

HISTORY

Geographical

11. coasts
12. deserts
13. hills and mountains
14. icebergs and glaciers
15. island
16. lakes
17. plains and plateaus
18. rivers and swamps
19. seas and oceans
20. valleys
21. volcanoes

Locational Identifiers

22. Stuart England, Scotland, and Dependencies
23. Commonwealth and Protectorate England
24. Bourbon France
25. Portugal
26. Hapsburg Domains
 27. Hapsburg Portugal
 28. Hapsburg Spain
 29. Hapsburg Netherlands
 30. Hapsburg Kingdom of the Two Sicilies
 31. Hapsburg Duchy of Milan
 32. Hapsburg France Comte
 33. Hapsburg Austria & East European Dependencies
34. Papal States
35. Italian City-States exclusive of Papal and Hapsburg lands
36. Swiss Confederation
37. United Provinces (Protestant Netherlands)
38. Hohenzollern Brandenburg-Prussia
39. Holy Roman Empire Exclusive of Hapsburg and Hohenzollern lands.

Content Identifiers

Individuals

- 40. Kings and executives
- 41. Queens and first ladies
- 42. Royal relatives and court
- 43. Ministers and cabinet
- 44. Members of parliament, congress, etc.
- 45. Clerics
- 46. Bureaucrats
- 47. Military or naval
- 48. Novelists, poets and playwrights
- 49. Scientists, philosophers
- 50. Artists, sculptors, architects
- 51. Other

Places and Objects

- 52. Cities
- 53. Towns or villages

Buildings

- 54. Palaces and executive residences
- 55. Government buildings (e.g., houses of parliament, mints, penal institutions, etc.)
- 56. Museums, libraries, and universities
- 57. Merchantile establishments/shops
- 58. Churches and temples
- 59. Fortresses and armories
- 60. Non-royal habitations
- 61. Battlesites
- 62. Weaponry
 - 63. Armor for man and beast
 - 64. Hand weapons
 - 65. Artillery or missiles
 - 66. Warships
 - 67. Aircraft
 - 68. Machines and tools
 - 69. Mines or factories
 - 70. Livestock
 - 71. Military transportation
 - 72. Air
 - 73. Sea
 - 74. Land
 - 75. Non-military transportation
 - 76. Air
 - 77. Sea
 - 78. Land

Communications

- 79. Roads
- 80. Bridges
- 81. Electronic

Recreational

- 82. Coliseums, amphitheaters, stadiums
- 83. Theaters
- 84. Parks

APPENDIX B

35mm SLIDE CONTENT IDENTIFIER LIST AND IDENTIFICATION NUMBERS

35mm SLIDE CONTENT IDENTIFIER LIST AND
IDENTIFICATION NUMBER

(Specific artists and authors limited to 17th Century)

MAJOR HEADINGS

- I. What Is It
- II. Who Made It
- III. When
 - A. Date of Production
 - B. Date of Subject
- IV. Where
 - A. Where Produced
 - B. Location of Subject
- V. Subject (Content and/or Function)
- VI. Collection

I. What Is It

0-Detail or Section

1-Applied Art

- 2-Clocks
- 3-Clothing
- 4-Coins and Seals
- 5-Frames
- 6-Furnishings
- 7-Jewelry
- 8-Manuscript
- 9-Maps
- 10-Medals
- 11-Military
- 12-Monuments or Shrines
- 13-Tapestry
- 14-Textiles
- 15-Tombs or Cemeteries
- 16-Utensils

17-Architecture and Engineering

- 18-Aerial view
- 19-Domes
- 20-Elevation
- 21-Floor plan
- 22-Landscaping (gardens)
- 23-Steeple
- 24-Town-planning

25-Calligraphy

- 26-Letter-press

27-Cartography

28-Drawing

- 29-Charcoal
- 30-Ink
- 31-Pencil
- 32-Pastel
- 33-Sanguine
- 34-Silver-point

35-Painting

- 36-Ceiling (dome)
- 37-Miniature
- 38-Mural (wall)
- 39-Portable

35-Painting (con't.)

Media

668-Oil

669-Tempera

670-Watercolor

671-Other

40-Printmaking

41-Dry-point

42-Etching

43-Lithography

44-Mezzotint

45-Photogravure

46-Silk-screen

47-Woodblock

48-Wood engraving

49-Sculpture

50-Free-standing

51-Miniature

52-Relief

Media

672-Casting (cire Perdue)

673-Clay

674-Stone

675-Wood

53-Other

II. Who Made It

ARTISTS

Flanders

- 54-Bernt, Osias (1596-1625)
- 55-Brill, Paul (1554-1628)
- 56-Brouwen, Adraen (1605-1638)
- 57-Bruegel, Jan (Velvet) (1568-1625)
- 58-de Mompen, Joor (1564-1655)
- 59-de Vos, Cornelis (1585-1651)
- 60-du Quesnoy, Francois (1594-1642)
- 61-Faydherbe, Lucas (1617-1697)
- 62-Francart, Jacques (1582-1651)
- 63-Fyt, Jan (1611-1661)
- 64-Huyssens, Brother (1577-1637)
- 65-Jordaens, Jacob (1593-1678)
- 66-Quellin, Artur the Elder (1609-1668)
- 67-Rombouts, Theodore (1597-1637)
- 68-Rubens (1577-1640)
- 69-Siberechts, Jan (1627-1703)
- 70-Snyders, Frars (1579-1657)
- 71-Teniers, David (1610-1690)
- 72-Van Dyck (1599-1641)
- 73-van Hees, Father Willem (1601-1690)
- 74-Van Thulden, Theodoor (1606-1676)

France

- 75-Ballange, Jacques (c. 1600-1617)
- 76-Callot, Jacques (1592-1635)
- 77-Chateau of Vaux le Vicomte (1656-1660)
arch. - LeVau (1612-1670)
- 78-de Champaigne, Philippe (1602-1674)
- 79-de la Tour, Georges (1593-1652)
- 80-de Lattyre, Laurent (1606-1659)
- 81-Guillain, Simon (1581-1658)
- 82-Le Muet, Pierre (1591-1669)
- 83-Le Nain, Antoine (1588-1648)
- 84-Le Nain, Louis (1593-1645)
- 85-Le Nain, Mathieu (1607-1677)
- 86-Le Sueur, Eustache (1616-1655)
- 87-Lorrain, Claude (1600-1682)
- 88-Luxembourg Palas - Paris (1615-1625)
arch. Solomon de Brosse (1565-1628)
- 89-Mansurt, Francois (1598-1666)
- 90-Pizet, Pierre (1620-1694)
- 91-Poussin, Nicholas (1594-1660)
- 92-Sarrazin, Jacques (1588-1660)
- 93-Tournier, Robert (1604-1670)
- 94-Vignon, Claude (1593-1670)
- 95-Volet, Simon (1590-1649)

II. ARTISTS

Holland and England

- 96-Berchem, Claer (1620-1683)
- 97-Bosschaest, Ambrosius the Elder (1568-1621)
- 98-Cuyp, Albert (1620-1691)
- 99-de Hooch, Pieter (1629-1684)
- 100-de Keyser, Thomas (1597-1667)
- 101-Eisheimer, Adam (1578-1610)
- 102-Hals, Frans (1580-1666)
- 103-Heda, Claesz (1594-1682)
- 104-Jones, Inigo (1573-1652)
- 105-Lely, Sir Peter (1618-1680)
- 106-Leyster, Judith (1609-1660)
- 107-Miereveld (1567-1641)
- 108-Potter, Paulus (1625-1654)
- 109-Rembrandt (1606-1669)
- 110-Saenredam, Pieter (1567-1665)
- 111-Steen, Jan (1626-1679)
- 112-Stone, Nicholas (1586-1647)
- 113-Ter Borch, Gerard (1617-1681)
- 114-Terbrugghen, Hendrick (1588-1629)
- 115-Uytewael, Joachim A. (1566-1638)
- 116-van Beijeran, Abraham (1620-1675)
- 117-van der Helst, Bartholomeus (1613-1671)
- 118-van der Heyden, Jan (1637-1712)
- 119-van Everdinger, Alaent (1621-1670)
- 120-Van Goyan, Jan (1596-1656)
- 121-Van Honthorst, Gerard (1590-1656)
- 122-van Laer, Pieter (1592-1642)
- 123-van Ostade, Adriaen (1610-1685)
- 124-van Ruisdal, Jacob (1628-1682)
- 125-Vermees, Johannes (1632-1675)

Italian

- 126-Albani, Francesco (1578-1660)
- 127-Baschanis, Evaristo (1617-1677)
- 128-Bernini (1598-1680)
- 129-Borromini (1599-1667)
- 130-Caravaggio (1573-1610)
- 131-Carracci, Agostino
- 132-Carracci, Annibale
- 133-Carracci, Lodovico
- 134-Crespi, Daniele (1598-1630)
- 135-da Cortona, Pietro (1590-1669)
- 136-Domenichino (1581-1641)
- 137-Feti, Domenico (1589-1623)
- 138-Gentileschi, Orazio (1563-1644)
- 139-Guercino (1591-1666)

II. ARTISTS

Italian (continued)

- 140-Longhena (1598-1682)
- 141-Maderna, Carlo (1556-1629)
- 142-Manfred, Bartolomeo (1580-1620)
- 143-Reni, Guido (1575-1642)
- 144-Serodine, Giovanni (1600-1630)
- 145-Struzzi, Bernardo (1581-1644)

Spain

- 146-Bautista, Herman F. (1622-1665)
- 147-Caro, Alonso (1601-1667)
- 148-Cotan, Fray Juan Sanchez (1561-1627)
- 149-de Herrera, Juan
- 150-de Toledo, Bautista
- 151-El Greco (1541-1614)
- 152-Fernandez, Gregorio (1576-1636)
- 153-Gomez de Mora, Juan (1586-1648)
- 154-Leal, Juan Valdes (1622-1690)
- 155-Montanes, Juan Martinez (1586-1649)
- 156-Murillo (1617-1682)
- 157-Ribalta, Francisco (1565-1628)
- 158-Ribera (1591-1652)
- 159-Velasquez (1599-1660)
- 160-Zurburan (1598-1664)

Versailles

- 161-Coysevox, Antoine (1640-1720)
- 162-de Busse, Solomon
- 163-de Cotte, Robert
- 164-Girardon, Francois (1628-1715)
- 165-Gobelin tapestries
- 166-le Brun, Charles (1619-1690)
- 167-Lemercien, Jacques (1585-1654)
- 168-Le Notre
- 169-Le Vav
- 170-Mansant, Jules Hardouin
- 171-Mansart, Francois
- 172-Puget, Pierre (1620-1694)

III. WhenA. Date of Production

173-BC

174-AD

Century

175-1

176-2

177-3

178-4

179-5

180-6

181-7

182-8

183-9

184-10

185-11

186-12

187-13

188-14

189-15

190-16

191-17

192-18

193-19

194-20

Year

195-00

196-01

197-02

198-03

199-04

200-05

201-06

202-07

203-08

204-09

205-10

206-11

207-12

208-13

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210-15

211-16

212-17

213-18

214-19

215-20

III. Date of ProductionYear (continued)

216-21
217-22
218-23
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261-66
262-67
263-68

III. Date of ProductionYear (continued)

264-69
265-70
266-71
267-72
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273-78
274-79
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294-99

B. Date of Subject

295-BC
296-AD

Century

297-1
298-2
299-3
300-4
301-5
302-6
303-7

III. Date of SubjectCentury (continued)

304-8
305-9
306-10
307-11
308-12
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312-16
313-17
314-18
315-19
316-20

Year

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318-01
319-02
320-03
321-04
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323-06
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325-08
326-09
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338-21
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347-30
348-31

III. Date of SubjectCentury (continued)Year

349-32
350-33
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391-74
392-75

III. Date of SubjectCentury (continued)Year

393-76
394-77
395-78
396-79
397-80
398-81
399-82
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401-84
402-85
403-86
404-87
405-88
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407-90
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416-99

IV. Where

A. Where Produced

- 417-North America
 - 418-United States
 - 419-Canada
- 420-Central America
- 421-South America
- 422-Europe and Mediterranean Basin
 - 423-Asia Minor
 - 424-Balkan Peninsula (Rumania/Bulgaria/Albania/Yugoslavia)
 - 425-British Isles
 - 426-Egypt
 - 427-Gaul/France
 - 428-Germany
 - 429-Greece
 - 430-Iberian Peninsula (Balearic Islands/Azores)
 - 431-Italy/Sicily
 - 432-Northeast Europe (Poland/Czechoslovakia/Hungary/Baltic Republics)
 - 433-Russia
 - 434-Scandinavia (Iceland/Greenland/Finland)
 - 435-Switzerland
 - 436-Syria/Palestine
- 437-Sub-Saharan Africa
- 438-Near East
 - 439-Arabian Peninsula
 - 440-Asia Minor
 - 441-Egypt
 - 442-Iranian Plateau/Afghanistan
 - 443-Syria/Palestine
- 444-Far East
 - 445-China
 - 446-Indian Sub-continent
 - 447-Japan
 - 448-Southeast Asia
- 449-Oceania

B. Location of Subject

- 450-North America
 - 451-United States
 - 452-Canada
- 453-Central America
- 454-South America
- 455-Europe and Mediterranean Basin

Location of Subject (continued)

- 456-Asia Minor
- 457-Balkan Peninsula (Romania/Bulgaria/Albania/
Yugoslavia)
- 458-British Isles
- 459-Egypt
- 460-Gaul/France
- 461-Germany
- 462-Greece
- 463-Iberian Peninsula (Balearic Islands/Azores)
- 464-Italy/Sicily
- 465-Northeast Europe (Poland/Czechoslovakia/
Hungary/Baltic Republics)
- 466-Russia
- 467-Scandinavia (Iceland/Greenland/Finland)
- 468-Switzerland
- 469-Syria/Palestine
- 470-Sub-Saharan Africa
- 471-Near East
 - 472-Arabian Peninsula
 - 473-Asia Minor
 - 474-Egypt
 - 475-Iranian Plateau/Afghanistan
 - 476-Syria/Palestine
- 477-Far East
 - 478-China
 - 479-Indian Sub-continent
 - 480-Japan
 - 481-Southeast Asia
- 482-Oceania

V. Subject (Content and/or Function)

- 483 - Allegorical
- 484 - Battle sites
- 485 - Biblical - Religious
- 486 - Buildings
 - 487-Palaces and executive residences
 - 488-Government buildings (e.g., houses of parliament,
mints, penal institutions, etc.)
 - 489-Museums, libraries, and universities
 - 490-Mercantile establishments/shops
 - 491-Churches and temples
 - 492-Fortresses and armories
 - 493-Non-royal habitations

V. Subject (Content and/or Function) (continued)

494-Cities, Towns and Villages

495-Communications

496-Bridges

497-Roads

498-Equestrian

499-Figure

500-Kings and executives

501-Queens and first ladies

502-Royal relatives and court

503-Ministers and cabinet

504-Members of parliament, congress, etc.

505-Clerics

506-Bureaucrats

507-Military and naval

508-Novelists, poets, and playwrights

509-Scientists, philosophers, educators

510-Artists, sculptors, architects

511-Other

512-Geographical

513-Coasts

514-Deserts

515-Hills and mountains

516-Icebergs and glaciers

517-Island

518-Lakes

519-Plains and plateaus

520-Rivers and swamps

521-Seas and oceans

522-Valleys

523-Volcanoes

524-Genre

525-Landscape

526-Literary

Authors

527-Beaumont and Fletcher

528-William Burton

529-William Congreve

530-John Donne

531-John Dryden

532-Robert Herrick

533-Ben Jonson

Literary

Authors (continued)

- 534-Andrew Marvell
- 535-John Milton
- 536-Charles Sackville (Earl of Dorset)
- 537-Shakespeare
- 538-John Webster
- 539-William Wycherley
- 540-Calderon
- 541-Cervantes
- 542-Corneille
- 543-Juan Ruiz d'Alarcon
- 544-Giambattista Della Porta
- 545-Tirso de Molina
- 546-Lope de Vega
- 547-Lesage
- 548-Moliere
- 549-Racine
- 550-Flaminio Scala Commedia dell' Arte

Genre

- 551-Fiction
 - 552-Novel (pre)
 - 553-Short Story
 - 554-Travel literature
- 555-Non Fiction
 - 556-Biography
 - 557-Autobiography
 - 558-History
 - 559-Essay
- 560-Poetry
 - 561-Ode
 - 562-Elegy
 - 563-Sonnet
 - 564-Lyric
 - 565-Pastoral
 - 566-Narrative
 - 567-Epic
- 568-Drama
 - 569-Tragedy
 - 570-Staged
 - 571-Comedy
 - 572-Staged
 - 573-Tragi-Comedy
 - 574-Staged
 - 575-Masque
 - 576-Staged
 - 577-Opera
 - 578-Staged
 - 579-Heroic drama

580-Livestock

581-Machines and tools

582-Medical

583-Mines or factories

584-Musical

585-Mythological

586-Portrait

587-Single

588-Self Portrait

589-Group

590-Recreational

591-Coliseums, amphitheaters, stadiums

592-Parks

593-Theaters

594-Religious

595-Seascape

596-Still Life

597-Transportation

598-Military

599-Non-military

600-Air

601-Land

602-Sea

603-Vanities

604-Weaponry

605-Aircraft

606-Armor-man or beast

607-Artillery or missiles

608-Hand weapons

609-Warships

VI. Collection

Austria

610-Kunsthistorisches Museum, Vienna

Belgium

611-Museum of Fine Arts, Ghent

612-Royal Museum of Fine Arts, Brussels

Canada

613-National Gallery of Canada

Egypt

614-Egyptian Museum, Cairo

England

615-Ashmolean Museum, Oxford

616-British Museum, London

617-Sir John Soanes Museum, London

618-Tate Gallery, London

619-Victoria and Albert Museum, London

620-Wellington Museum, London

France

621-Barnes Foundation, Merion, Paris

622-Bibliothèque Nationale, Paris

623-Louvre, Paris

624-Musée Condé, Chantilly, France

625-Museum of Fine Arts, Dijon

626-Musée des Beaux-Arts, Bordeaux

627-Rodin Museum, Paris

Greece

628-Acropolis Museum, Athens

629-National Museum, Athens

Holland

630-Boymans Museum, Rotterdam

VI. Collection (continued)

Italy

- 631-Academy, Florence
- 632-Archaeological Museum, Florence
- 633-Borghese Gallery, Rome
- 634-Cathedral Museum, Siena
- 635-Museo della Terme, Rome
- 636-Museum Nazionale di Villa Giulin, Rome
- 637-National Museum, Florence
- 638-National Museum, Naples
- 639-Pitti Palace, Florence
- 640-Uffizi Gallery, Florence
- 641-Vatican Museum, Rome

Netherlands

- 642-Rijksmuseum, Amsterdam

Spain

- 643-Prado, Madrid

Sweden

- 644-National Museum, Oslo

United States

- 645-Art Institute of Chicago
- 646-Baltimore Museum of Art
- 647-Carnegie Institute, Pittsburgh
- 648-Detroit Institute of Art, Detroit
- 649-Fogg Art Museum, Harvard
- 650-Frick Museum, New York
- 651-Metropolitan Museum, New York
- 652-Metropolitan Museum, New York (Cloister Collection)
- 653-Museum of Fine Art, Boston
- 654-Museum of Modern Art, New York
- 655-National Gallery of Art, Washington, D. C.
- 656-Philadelphia Museum of Art
- 657-University Museum, Philadelphia
- 658-Wadsworth Atheneum, Hartford, Connecticut

U.S.S.R.

- 659-Hermitage Museum, Leningrad
- 660-Pushkin Museum, Moscow

West Germany

661-Capiloline Museum, Bonn

662-Central Museum, Utrecht

663-Kunsthalle, Hamburg

664-Pinakothek, Munich

665-Staedel Institute, Frankfort

666-Staetlich Antilcensammlung, Munich

667-State Museums, Berlin

ADDENDUM

35mm SLIDE CONTENT IDENTIFIER LIST AND IDENTIFICATION NUMBER

Please add or change to the following:

I. What Is It

- 35 - Painting
 - 680 - Diptych
 - 681 - Triptych
 - Media
 - 671 - Fresco
 - 672 - Other
- 40 - Printmaking
 - 683 - Engraving
- 49 - Sculpture
 - Media
 - 673 - Casting (cire Perdue)
 - 674 - Clay
 - 675 - Stone
 - 676 - Wood
 - 682 - Metal

II. Who Made It

ARTISTS

Flanders

- 71 - Teniers, David (1610-1690) The Younger

France

- 77 - LeVan, Louis (1612-1670)
- 95 - Vovet, Simon (1590-1649)

Holland and England

- 678 - Wren, Sir Christopher
- 684 - de Gelder, Aert
- 685 - Metsu, Gabriel

Italian

- 686 - Guarini
- 687 - Fontana

II. Who Made It (con't.)

ARTISTS

Versailles

delete 169 - Le Vav
170 - Mansart, Jules Hardouin
171 - Patel, Pierre, The Elder

V. Subject

486 - Buildings
688 - Other

524 - Genre
679 - Historical Scenes

VI. Collection

France

delete 621 - Barnes Foundation

United States

621 - Barnes Foundation, Merion, Pennsylvania

APPENDIX C

TENTATIVE LIST OF ASSIGNED CONTENT IDENTIFIERS BY INDIVIDUAL SLIDE

NOTE: This is a first draft assignment of identifiers and should, therefore, be considered tentative.

NO. 1 TITLE St. Charles Borromeo
Prays for the Plague-Stricken

IDENTIFIER TERMS

NO.

612	Museum Fine	587	Single
	Arts, Brussels	594	Religious
35	Painting		
95	Simon Vouet		
174	AD		
191	17th Cent.		
235	40		
427	Gaul/Fr.		
485	Bib./Rel.		
39	Portable		
668	Oil		
422	Europe		
296	AD		
310	14		
355	38		
401	84		
464	Italy		
486	Buildings		
491	Churches/temples		
499	Figure		
505	Cleric		
586	Portrait		

NO. 2 TITLE The Death of St. Bruno

IDENTIFIER TERMS

NO.

35	Painting	589	Group
86	Le Sueur	594	Religious
174	AD		
191	17th Cent.		
243	48		
427	Gaul/Fr.		
485	Bib./Rel.		
623	Louvre		
39	Portable		
668	Oil		
422	Europe		
296	AD		
305	9		
306	10		
318	01		
464	Italy		
486	Buildings		
491	Churches		
499	Figure		
505	Clerics		
582	Medical		
586	Portrait		

NO. 3 TITLE The Adoration of the
Shepherds

IDENTIFIER TERMS

NO.

35	Painting	511	Other
79	de la Tour, Geo.	586	Portrait
174	AD	589	Group
191	17th Cent.	594	Religious
239	44		
427	Gaul/Fr.		
485	Bib./Rel.		
623	Louvre		
39	Portable		
668	Oil		
422	Europe		
296	AD		
297	1st Cent.		
317	00		
455	Palestine		
486	Buildings (stable)		
494	Cities, Towns and Villages		
499	Figures		

NO. 4 TITLE Mary Magdalen with a
Candle

IDENTIFIER TERMS

NO.

35	Painting	494	Village
79	de la Tour, Geo.		
174	AD	499	Figure
191	17th Cent.	511	Other
427	Gaul/Fr.	586	Portrait
485	Bib./Rel.	587	Single
623	Louvre, Paris		
39	Portable	594	Religious
668	Oil		
422	Europe		
526	Lit. Authors		
530	John Donne		
560	Poetry		
563	Sonnet		
296	AD		
297	1st Cent.		
317	00		
455	Palestine		
486	Buildings		

NO. 5 TITLE The Fortune Teller

NO.	IDENTIFIER TERMS		
35	Painting		
39	Portable		
668	Oil		
79	de la Tour, Geo.		
174	AD		
191	17th Cent.		
239	44		
427	Gaul/Fr.		
524	Genre		
651	Metropolitan		
422	Europe		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
486	Buildings		
490	Mercantile		
494	Town		
499	Figure		
511	Other		
586	Portrait		
589	Group		

NO. 6 TITLE The Peasants' Meal

NO.	IDENTIFIER TERMS		
35	Painting		
39	Portable		
668	Oil		
84	LeNain		
174	AD		
191	17th Cent.		
237	42		
422	Europe		
427	Gaul/Fr.		
524	Genre		
623	Louvre, Paris		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
486	Buildings		
494	Cities		
499	Figure		
511	Other		
586	Portrait		
589	Group		

NO. 7 TITLE Peasants in a Landscape

NO.	IDENTIFIER TERMS		
35	Painting	512	Geographical
39	Portable	515	Hills
668	Oil	519	Plain
84	LeNain, L.	522	Valleys
174	AD	580	Livestock
191	17th Cent.	586	Portrait
237	42	589	Group
427	Gaul/Fr.		
524	Genre		
658	Wadsworth Ath.		
	Hartford, Conn.		
422	Europe		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
494	Cities, towns		
499	Figure		
511	Other		

NO. 8 TITLE Portrait of Cardinal

Richelieu			
NO.	IDENTIFIER TERMS		
35	Painting	311	15
39	Portable	359	42
668	Oil	460	Gaul/France
78	de Champaigne	483	Allegorical
174	AD	486	Buildings
191	17th Cent.	487	Palace
233	35-40	594	Religious
422	Europe		
427	Gaul/Fr.		
499	Figure		
505	Clerics		
586	Portrait		
587	Single		
623	Louvre		
3	Clothing		
14	Textiles		
296	AD		
310	14		
402	85		

NO. 9 TITLE The Rape of the Sabine

Women

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
91	Poussin		
174	AD		
191	17th Cent.		
225	30		
427	Gaul/Fr.		
651	Metropolitan		
422	Europe		
679	Hist.Scene		
295	BC		
299	3rd Cent.		
464	Italy		
483	Allegorical		
486	Buildings		
488	Gov't Bldgs.		
499	Figures		
511	Other		
586	Portrait		
589	Group		

NO. 10 TITLE The Holy Family on

the Steps

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
91	Poussin		
174	AD		
191	17th Cent.		
243	48		
427	Gaul/Fr.		
485	Bib./Rel.		
655	Nat'l Gallery		
422	Europe		
296	AD		
297	1st Cent.		
469	Syria/Palestine		
486	Buildings		
491	Temple/Churches		
499	Figure		
511	Other		
586	Portrait		
589	Group		
594	Religious		

NO. 11 TITLE Self-Portrait

IDENTIFIER TERMS

NO.

35	Painting	510	Artist
39	Portable		
668	Oil		
91	Poussin		
174	AD		
191	17th Cent.		
245	50		
427	Gaul/Fr.		
588	Self-portrait		
623	Louvre, Paris		
422	Europe		
586	Portrait		
296	AD		
310	14		
311	15		
382	65		
460	Gaul/France		
494	Cities, towns		
499	Figure		

NO. 12 TITLE Sunrise

IDENTIFIER TERMS

NO.

35	Painting	483	Allegorical
39	Portable	499	Figures
668	Oil	511	Other
87	Lorrain	512	Geographical
174	AD	515	Hills & mtns
191	17th Cent.	580	Livestock
243	48	586	Portrait
427	Gaul/Fr.	589	Group
525	Landscape		
651	Metropolitan		
422	Europe		
526	Lit. Authors		
535	Milton		
537	Shakespeare		
560	Poetry		
565	Pastoral		
296	AD		
313	17th Cent.		
460	Gaul/France		

NO. 13 TITLE Landscape with Sacrificial

Procession

IDENTIFIER TERMS

NO.

35	Painting	496	Bridges
39	Portable	497	Roads
668	Oil	499	Figure
87	Lorrain	505	Cleric
174	AD	512	Geographical
191	17th Cent.	515	Hills & mtns
267	72	520	Rivers
427	Gaul/Fr.	522	Valleys
525	Landscape	585	Mythological
645	Art Inst.Chicago		
422	Europe	586	Portrait
594	Religious	589	Group
526	Lit. Authors		
535	Milton		
560	Poetry		
565	Pastoral		
295	BC		
297	1st Cent.		
460	Gaul/France		
485	Bib/rel		
491	Churches/temples		
495	Communication		

NO. 14 TITLE Rubens and Isabella

Brant

IDENTIFIER TERMS

NO.

35	Painting	310	14
39	Portable	394	77
668	Portable	311	15
68	Rubens	357	40
174	AD	460	Gaul/France
191	17th Cent.	482	Allegorical
204	9-10	511	Other
422	Europe		
432	N.E.Europe		
499	Figure		
510	Artists		
586	Portrait		
588	Self-portrait		
664	Pinakothek		
3	Clothing		
14	Textiles		
526	Lit. Authors		
530	John Donne		
534	Andrew Marvell		
560	Poetry		
563	Sonnet		
296	AD		

NO. 15 TITLE Descent from the Cross

IDENTIFIER TERMS

NO.

35	Painting	499	Figures
39	Portable	505	Cleric
668	Oil	506	Bureaucrats
68	Rubens	586	Portrait
174	AD	589	Group
191	17th Cent.	594	Religious
209	14		
422	Europe		
485	Bib./Rel.		
432	Northeast Eur.		
681	Triptych		
296	AD		
297	1st Cent.		
476	Palestine		
486	Buildings		
487	Palaces		
491	Temples		
495	Communication		
496	Bridges		

NO. 16 TITLE Portrait of Marchesa

Brigida Spinola Doria

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
68	Rubens		
174	AD		
191	17th Cent.		
201	06		
422	Europe		
431	Italy		
499	Figure		
502	Royal		
586	Portrait		
587	Single		
655	Nat'l Gallery		
14	Textiles		
3	Clothing		

NO. 17 TITLE Rape of the Daughters
of Leucippus

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
68	Rubens		
174	AD		
191	17th Cent.		
213	18th Cent.		
422	Europe		
679	Hist.Scene		
664	Pinakothek		
432	Northeast Eur.		
295	BC		
300	4th Cent.		
462	Greece		
483	Allegorical		
498	Equestrian		
499	Figure		
511	Other		
586	Portrait		
589	Group		

NO. 18 TITLE Charles I at the Hunt

IDENTIFIER TERMS

NO.

35	Painting	296	AD
39	Portable	313	16
668	Oil	317	00
72	Van Dyck	366	49
174	AD	458	British Isles
191	17th Cent.	483	Allegorical
230	35	498	Equestrian
425	British Isles		
499	Figure		
500	Kings		
586	Portrait		
587	Single		
623	Louvre, Paris		
422	Europe		
3	Clothing		
526	Lit. Authors		
531	John Dryden		
535	John Milton		
555	Non Fiction		
559	Essay		
560	Poetry		
566	Narative		

NO. 19 TITLE Paola Adorno, Marchesa
Brignole Sale, and Her Son

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
72	Van Dyck		
174	AD		
191	17th Cent.		
220	25-27		
431	Italy		
499	Figure		
502	Royal		

NO. 20 TITLE Self-Portrait

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
72	Van Dyck		
174	AD		
191	17th Cent.		
208	13		
432	Northeast Eur.		
588	Self-portrait		
610	Academy of F.A.		
586	Portrait		
422	Europe		
296	AD		
310	14		
416	99		
311	15		
358	41		
499	Figure		
510	Artists, sculptors,		
	architects		

NO. 21 TITLE James Stuart, Duke of
Richmond and Lennox

NO.	IDENTIFIER TERMS			
35	Painting	372	55	
39	Portable	458	British Isles	
668	Oil			
72	Van Dyck			
174	AD			
191	17th Cent.			
231	36-40			
425	British Isles			
499	Figure			
502	Royal			
586	Portrait			
587	Single			
651	Metropolitan			
422	Europe			
3	Clothing			
526	Lit.Authors			
531	John Dryden			
560	Poetry			
566	Narrative			
296	AD			
311	15			
329	12			

NO. 22 TITLE Allegory of Fecundit

NO.	IDENTIFIER TERMS			
35	Painting			
39	Portable			
668	Oil			
65	Jordaens			
174	AD			
191	17th Cent.			
220	25			
422	Europe			
483	Allegorical			
612	Royal Museum			
432	Northeast Eur.			
526	Lit.Authors			
535	John Milton			
560	Poetry			
483	Allegorical			
499	Figures			
511	Other			
586	Portrait			
589	Group			

NO. 23 TITLE The King Drinks!

NO.	IDENTIFIER TERMS			
35	Painting	296	AD	
39	Portable	313	17th Cent.	
668	Oil	460	Gaul/France	
65	Jordaens	483	Allegorical	
174	AD	526	Lit.Authors	
191	17th Cent.	537	Shakespeare	
230	35	555	Non Fiction	
422	Europe	568	Drama	
499	Figure	558	History	
612	Royal Mus.			
432	Northeast Eur.			
500	Kings & Exec.			
511	Other			

NO. 24 TITLE The Artist's Family

NO.	IDENTIFIER TERMS			
35	Painting	368	51	
39	Portable	460	Gaul/France	
668	Oil	510	Artist,sculp	
59	deVos, C.			
174	AD			
191	17th Cent.			
216	21			
422	Europe			
499	Figure			
511	Other			
586	Portrait			
589	Group			
612	Royal Mus.			
432	Northeast Eur.			
3	Clothing			
296	AD			
312	15			
402	85			
313	17			

NO. 25 TITLE Martyrdom of St. Hadrian

IDENTIFIER TERMS

NO.

35	Painting	589	Group
39	Portable	594	Religious
668	Oil		
74	Van Thulden		
174	AD		
191	17th Cent.		
228	33-35		
422	Europe		
485	Bib./Rel/		
432	Northeast Eur.		
296	AD		
302	6		
389	72		
412	95		
464	Italy		
486	Buildings		
487	Palaces		
491	Churches		
499	Figures		
505	Cleric		
511	Other		
586	Portrait		

NO. 26 TITLE The Hay Wain

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
69	Siberechts		
174	AD		
191	17th Cent.		
258	63		
422	Europe		
525	Landscape		
432	Northeast Eur.		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figures		
511	Other		
580	Livestock		
586	Portrait		
589	Group		

NO. 27 TITLE The Larder

IDENTIFIER TERMS

NO.

35	Painting	511	Other
39	Portable	586	Portrait
668	Oil	587	Single
70	Snyders		
174	AD		
191	17th Cent.		
218	23-25		
422	Europe		
596	Still-life		
612	Royal Mus.		
432	Northeast Eur.		
526	Lit.Authors		
535	John Milton		
560	Poetry		
565	Pastoral		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		

NO. 28 TITLE Fruit and Game

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
63	Fyt		
174	AD		
191	17th Cent.		
245	50		
422	Europe		
596	Still-life		
432	Northeast Eur.		
526	Lit.Authors		
535	John Milton		
560	Poetry		
565	Pastoral		
296	AD		
313	17th Cent.		
460	Gaul/France		

NO. 29 TITLE The Smokers

IDENTIFIER TERMS			
NO.			
35	Painting	586	Portrait
39	Portable	589	Group
668	Oil	590	Recreational
56	Brouwer		
174	AD		
191	17th Cent.		
230	35		
422	Europe		
524	Genre		
651	Metropolitan		
432	Northeast Eur.		
526	Lit. Authors		
537	Shakespeare		
568	Drama		
571	Comedy		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Shops		
499	Figures		
511	Other		

NO. 30 TITLE Flemish Kermess

IDENTIFIER TERMS			
NO.			
35	Painting	590	Recreational
39	Portable		
668	Oil		
71	Teniers, D.		
174	AD		
191	17th Cent.		
247	52		
422	Europe		
524	Genre		
612	Royal Mus.		
432	Northeast Eur.		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Shops		
491	Churches		
499	Figures		
511	Other		
584	Musical		
586	Portrait		
589	Group		

NO. 31 TITLE Landscape with Two
Oak Trees

IDENTIFIER TERMS			
NO.			
35	Painting	511	Other
39	Portable	512	Geographical
668	Oil	515	Hills
120	Van Goyen	519	Plains
174	AD	522	Valleys
191	17th Cent.	586	Portrait
236	41	589	Group
422	Europe		
432	Northeast Eur.		
525	Landscape		
642	Rijksmuseum		
526	Lit. Authors		
537	Shakespeare		
568	Drama		
296	AD		
313	17th Cent.		
460	Gaul/France		
483	Allegorical		
499	Figures		

NO. 32 TITLE The Portuguese -
Jewish Cemetery

IDENTIFIER TERMS			
NO.			
35	Painting		
39	Portable		
668	Oil		
124	Van Ruisdael		
174	AD		
191	17th Cent.		
250	55		
422	Europe		
432	Northeast Eur.		
525	Landscape		
645	Art Inst.		
526	Lit. Authors		
551	Fiction		
296	AD		
313	17th Cent.		
463	Portugal		
485	Bib/rel.		
596	Still Life		

NO. 33 TITLE View of Haarlem

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
124	Van Ruisdael		
174	AD		
191	17th Cent.		
250	55		
422	Europe		
432	Northeast Eur.		
525	Landscape		
642	Rijksmuseum		
526	Lit. Authors		
560	Poetry		
562	Elegy		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
491	Churches		
512	Geographical		
519	Plains		

NO. 34 TITLE The Dam at Amsterdam

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
118	Van Der Heyden		
174	AD		
191	17th Cent.		
432	Northeast Eur.		
422	Europe		
525	Landscape		
642	Rijksmuseum		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Mercantile est.		
491	Churches		
499	Figures		
511	Other		
586	Portrait		
589	Group		

NO. 35 TITLE Interior, St. Lawrence,

Alkmaar

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
110	Saenredam		
174	AD		
191	17th Cent.		
256	61		
422	Europe		
432	Northeast Eur.		
486	Building		
491	Churches		
630	Boymans Mus.		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		
506	Bureaucrats		
594	Religious		

NO. 36 TITLE View of Delft

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
125	Vermeer		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
525	Landscape		
494	Cities		
597	Transportation		
602	Sea		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
490	Mercantile est.		
491	Churches		

NO. 37 TITLE Young Woman with a

Water Jug

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
125	Vermeer		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
524	Genre		
651	Metropolitan		
296	AD		
313	17th Cent.		
460	Gaul/France		
493	Non-royal		
	habitations		
494	Cities		
499	Figure		
511	Other		
586	Portrait		
587	Single		
596	Still Life		

NO. 38 TITLE Interior with Skaters

IDENTIFIER TERMS

NO.

35	Painting	589	Group
39	Portable	590	Recreational
668	Oil	592	Park
123	Van Ostade		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
524	Genre		
245	50		
642	Rijksmuseum		
537	Shakespeare		
568	Drama		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		
493	Non-royal		
	habitations		
499	Figure		
511	Other		
586	Portrait		

NO. 39 TITLE Easy Come, Easy Go

IDENTIFIER TERMS

NO.

35	Painting	493	Non-royal
39	Portable		habitations
668	Oil	499	Figures
111	Steen	511	Other
174	AD	586	Portrait
191	17th Cent.	589	Group
422	Europe		
256	61		
432	Northeast Eur.		
524	Genre		
630	Boymans Mus.		
526	Literary Authors		
529	Wm. Congreve		
571	Comedy		
568	Drama		
296	AD		
313	17th Cent.		
460	Gaul/France		
486	Buildings		

NO. 40 TITLE Banquet of the Officer
of the St. George Guild (Det

IDENTIFIER TERMS

NO.

0	Detail	460	Gaul/France
35	Painting	590	Recreational
39	Portable		
668	Oil		
102	Hals		
174	AD		
191	17th Cent.		
222	27		
422	Europe		
432	Northeast Eur.		
499	Figure		
507	Military		
586	Portrait		
589	Group		
526	Literary Authors		
537	Shakespeare		
568	Drama		
296	AD		
313	17th Cent.		

NO. 41 TITLE Lady Regents of the

Old Men's Home (Detail)

IDENTIFIER TERMS

NO.			
0	Detail		
35	Painting		
39	Portable		
668	Oil		
102	Hals		
174	AD		
191	17th Cent.		
259	64		
422	Europe		
432	Northeast Eur.		
499	Figure		
511	Other		
586	Portrait		
589	Group		
3	Clothing		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		
511	Woman		
586	Portrait		
587	Single		

NO. 42 TITLE La Bohemienne

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
102	Hals		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
586	Portrait		
587	Single		
623	Louvre, Paris		
537	Shakespeare		
568	Drama		
526	Literary Authors		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		
511	Woman		
586	Portrait		
587	Single		

NO. 43 TITLE Self-portrait as a

Young Man

IDENTIFIER TERMS

NO.			
35	Painting		
39	Portable		
668	Oil		
109	Rembrandt		
174	AD		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
586	Portrait		
588	Self-portrait		
296	AD		
313	17.		
323	06		
386	69		
460	Gaul/France		
499	Figure		
586	Portrait		
588	Self-portrait		
510	Artists, sculptors,		
	architects		

NO. 44 TITLE Aristotle Contemplating

Bust of Homer

IDENTIFIER TERMS

NO.			
35	Painting	295	BC)
39	Portable	300	3)
668	Oil	401	84) Aristotle
109	Rembrandt	339	22)
174	AD		
191	17th Cent.	295	BC)
248	53	305	9) Homer
422	Europe	367	50)
432	Northeast Eur.		
499	Figure		
509	Scientists, etc.		
586	Portrait		
587	Single		
652	Metropolitan		
3	Clothing		
14	Textiles		
462	Greece		
483	Allegorical		

NO. 45 TITLE Self-portrait

NO.	IDENTIFIER TERMS		
35	Painting		
39	Portable		
668	Oil		
109	Rembrandt		
174	AD		
191	17th Cent.		
264	69		
422	Europe		
432	Northeast Eur.		
586	Portrait		
588	Self-portrait		
296	AD		
313	17th Cent.		
323	06		
386	69		
460	Gaul/France		
499	Figure		
510	Artists, sculptors,		
	architects		

NO. 46 TITLE The Jewish Bride

NO.	IDENTIFIER TERMS		
35	Painting		
39	Portable		
668	Oil		
109	Rembrandt		
174	AD		
191	17th Cent.		
260	65		
422	Europe		
432	Northeast Eur.		
586	Portrait		
589	Group portrait		
642	Rijksmuseum		
3	Clothing		
14	Textiles		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figure		
511	Other		

NO. 47 TITLE Still-life

NO.	IDENTIFIER TERMS		
35	Painting		
39	Portable		
668	Oil		
103	Heda		
174	AD		
191	17th Cent.		
229	34		
422	Europe		
432	Northeast Eur.		
596	Still-life		
630	Boymans Mus.		
16	Utensils		
526	Lit. Authors		
535	Milton		
560	Poetry		
296	AD		
313	17th Cent.		
460	Gaul/France		

NO. 48 TITLE The Gallery

NO.	IDENTIFIER TERMS		
35	Painting		
36	Ceiling		
38	Mural		
671	Fresco		
132	Carracci, Annib.		
174	AD		
191	17th Cent.		
195	00		
422	Europe		
431	Italy		
585	Mythological		

NO. 49 TITLE The Fortune Teller

IDENTIFIER TERMS			
NO.			
35	Painting		
39	Portable		
668	Oil		
130	Caravaggio		
174	AD		
190	16th Cent.		
422	Europe		
431	Italy		
524	Genre		
623	Louvre, Paris		
3	Clothing		
499	Figure		
511	Other		
296	AD		
312	16th Cent.		
464	Italy/Sicily		
483	Allegorical		
586	Portrait		
589	Group		

NO. 50 TITLE The Death of the Virgin

IDENTIFIER TERMS			
NO.			
35	Painting		
39	Portable		
668	Oil		
130	Caravaggio		
174	AD		
191	17th Cent.		
422	Europe		
431	Italy		
485	Bib./Rel.		
623	Louvre, Paris		
295	BC		
297	1st Cent.		
296	AD		
476	Syria/Palestine		
499	Figure		
505	Clerics		
586	Portrait		
589	Group		
594	Religious		

NO. 51 TITLE Cleopatra

IDENTIFIER TERMS			
NO.			
35	Painting	297	1st Cent.
39	Portable	386	69
668	Oil	347	30
143	Reni	474	Egypt
174	AD		
191	17th Cent.		
235	40		
422	Europe		
431	Italy		
586	Portrait		
587	Single		
501	Queen		
499	Figure		
639	Pitti Palace		
526	Lit. Authors		
531	Dryden		
568	Drama		
569	Tragedy		
295	BC		

NO. 52 TITLE The Last Communion
of St. Jerome

IDENTIFIER TERMS			
NO.			
35	Painting	586	Portrait
39	Portable	589	Group
668	Oil	594	Religious
136	Domenichino		
174	AD		
191	17th Cent.		
209	14		
422	Europe		
431	Italy		
485	Bib./Rel.		
641	Vatican		
296	AD		
298	2		
357	40		
299	3		
337	20		
476	Palestine		
499	Figure		
505	Clerics		



NO. 53 TITLE St. William Receiving
the Habit

IDENTIFIER TERMS

NO.			
35	Painting	594	Religious
39	Portable	604	Weaponry
668	Oil	606	Armor-man
139	Guercino		
174	AD		
191	17th Cent.		
215	20		
422	Europe		
431	Italy		
485	Bib./Rel.		
296	AD		
349	32		
306	10		
361	44		
458	England		
485	Biblical -		
	Religious		
499	Figure		
505	Clerics		
507	Military		
586	Portrait		
589	Group		

NO. 54 TITLE The Glorification of
the Reign of Pope Urban VIII

IDENTIFIER TERMS

NO.			
35	Painting		
36	Ceiling		
671	Fresco		
135	DaCortona		
174	AD		
191	17th Cent.		
234	39		
422	Europe		
431	Italy		
485	Bib./Rel.		
296	AD		
310	14		
385	68		
311	15		
361	44		
486	Buildings		
487	Palace		
585	Mythological		
594	Religious		

NO. 55 TITLE The Age of Gold
(Ovid's Metamorphoses-4 Ages of Man)

IDENTIFIER TERMS

NO.			
35	Painting	499	Figures
38	Mural	511	Other
671	Fresco	585	Mythological
135	da Cortona	586	Portrait
174	AD	589	Group
191	17th Cent.		
232	37		
422	Europe		
431	Italy		
639	Pitti		
526	Lit. Authors		
535	John Milton		
560	Poetry		
295	BC)		
297	43) Ovid		
296	AD)		
297	17)		
464	Italy		
483	Allegorical		

NO. 56 TITLE The Ecstasy of
St. Theresa

IDENTIFIER TERMS

NO.			
49	Sculpture		
50	Free standing		
675	Stone		
682	Metal		
128	Bernini		
174	AD		
191	17th Cent.		
244	45-52		
422	Europe		
431	Italy		
485	Bib/rel.		
296	AD		
312	16		
332	15		
399	82		
463	Iberian Penin.		
499	Figure		
505	Cleric		

NO. 57 TITLE The Lost Silver

IDENTIFIER TERMS			
NO.			
35	Painting		
39	Portable		
668	Oil		
137	Fetti		
174	AD		
191	17th Cent.		
213	18		
422	Europe		
431	Italy		
485	Bib/rel.		
639	Pitti		
296	AD		
313	17th Cent.		
464	Italy		
499	Non-royal hab.		
499	Figure		
511	Other		
586	Portrait		
587	Single		

NO. 58 TITLE Musical Instruments

IDENTIFIER TERMS			
NO.			
35	Painting		
39	Portable		
668	Oil		
127	Baschenis		
174	AD		
191	17th Cent.		
422	Europe		
431	Italy		
596	Still Life		
612	Royal Mus.		
584	Musical		
296	AD		
313	17th Cent.		
464	Italy		

NO. 59 TITLE St. Stephen's Waldbrook,
London

IDENTIFIER TERMS			
NO.			
17	Architecture		
19	Domes		
677	Interiors		
678	Wren		
174	AD		
191	17th Cent.		
422	Europe		
425	British Isles		
486	Buildings		
491	Churches		

NO. 60 TITLE Dome of the Chapel
of the Holy Shroud

IDENTIFIER TERMS			
NO.			
17	Architecture		
19	Domes		
677	Interiors		
686	Guarini		
174	AD		
191	17th Cent.		
422	Europe		
431	Italy		
486	Building		
491	Churches		

NO. 73 TITLE The Orleans Wing of the

Chateau of Blois

IDENTIFIER TERMS

NO.

[illegible]

NO. **74** TITLE **The Queen's House**

IDENTIFIER TERMS

NO.

[illegible]

NO. 75 TITLE Chateau Maisons Laffitte

2nd Floor Gallerie

IDENTIFIER TERMS

NO.

17	Architecture		
20	Elevation		
677	Interiors		
89	F. Mansart		
174	AD		
191	17th Cent.		
241	46		
422	Europe		
427	Gaul/France		
486	Buildings		
493	Non-royal Hab.		
526	Lit. Authors		
531	John Dryden		
535	John Milton		

NO. 76 TITLE Vaux-le-Vicomte

Chateau toward garden

IDENTIFIER TERMS

NO.

[illegible]

NO. 77 TITLE Hatfield House from

Jacobean Garden

IDENTIFIER TERMS

NO.

[illegible]

NO. 78 TITLE Garden Facade

Versailles

IDENTIFIER TERMS

NO.

[illegible]

NO. 79 TITLE Mars & Venus

IDENTIFIER TERMS

NO.

526	Lit. Authors	589	Group
535	John Milton		
560	Poetry		
35	Painting		
39	Portrait		
668	Oil		
91	Poussin		
191	17th Cent.		
228	33		
422	Europe		
427	Gaul/France		
585	Mythological		
653	Mus.Fine Arts		
	Boston		
295	BC		
483	Allegorical		
499	Figures		
511	Other		
586	Portrait		

NO. 80 TITLE Head of Cyrus

IDENTIFIER TERMS

NO.

35	Painting	506	Bureaucrats
39	Portrait	507	Military
668	Oil	586	Portrait
68	Rubens	589	Group
191	17th Cent.		
217	22		
422	Europe		
432	Northeast Eur.		
653	Mus.FineArts		
	Boston		
174	AD		
295	BC		
301	4		
341	24		
318	01		
456	Asia Minor		
483	Allegorical		
499	Figure		
503	Ministers		

NO. 81 TITLE The Upper Belvedere

NO. 82 TITLE Louvre

IDENTIFIER TERMS

NO.

[illegible]

IDENTIFIER TERMS

NO.

17	Architecture
677	Interior
5	Frames
1	Applied Art
174	AD
486	Buildings
487	Palaces

NO. 83 TITLE Salon De Venus

IDENTIFIER TERMS

NO.

[illegible]

NO. 84 TITLE Landscape

IDENTIFIER TERMS

NO.

526	Lit. Authors	_____	_____
535	Milton	_____	_____
537	Shakespeare	_____	_____
565	Pastoral	_____	_____
120	Van Goyen	_____	_____
35	Painting	_____	_____
39	Portrait	_____	_____
668	Oil	_____	_____
422	Europe	_____	_____
432	Northeast Eur.	_____	_____
191	17th Cent.	_____	_____
525	Landscape	_____	_____
174	AD	_____	_____
296	AD	_____	_____
313	17th Cent.	_____	_____
460	Gaul/France	_____	_____
486	Buildings	_____	_____
494	Cities, towns, etc.	_____	_____
499	Figure	_____	_____

NO. 85 TITLE The Infanta Margarita

in Blue

IDENTIFIER TERMS

NO.

35	Painting		
39	Portrait		
668	Oil		
159	Velasquez		
191	17th Cent.		
422	Europe		
430	Iberian Pen.		
499	Figure		
502	Royal		
586	Portrait		
587	Single		
3	Clothing		
174	AD		
296	AD		
313	17th Cent.		
368	51		
390	73		
501	Queen		

NO. 86 TITLE Philip IV of Spain

IDENTIFIER TERMS

NO.

35	Painting		
39	Portrait		
668	Oil		
159	Velasquez		
191	17th Cent.		
422	Europe		
430	Iber.Penin.		
499	Figure		
500	King		
586	Portrait		
587	Single		
3	Clothing		
498	Equestrian		
174	AD		
296	AD		
313	17th Cent.		
322	05		
382	65		
604	Weaponry		
606	Armor-man		

NO. 87 TITLE Door Piece (close-up)

Fontainebleau, France

IDENTIFIER TERMS

NO.

<u>0</u>	<u>Detail</u>	<u> </u>	<u> </u>
<u>1</u>	<u>Applied Art</u>	<u> </u>	<u> </u>
<u>6</u>	<u>Furniture</u>	<u> </u>	<u> </u>
<u>174</u>	<u>AD</u>	<u> </u>	<u> </u>
<u> </u>	<u>Mannerist *</u>	<u> </u>	<u> </u>
<u>312</u>	<u>16th Cent.</u>	<u> </u>	<u> </u>
<u>486</u>	<u>Buildings</u>	<u> </u>	<u> </u>
<u>489</u>	<u>Mus.Lib.Mus.</u>	<u> </u>	<u> </u>

* School of Fontainebleau
Probably Primaticcio

NO. 88 TITLE The Brotherhood of

Crossbowmen

IDENTIFIER TERMS

NO.

35	Painting	604	Weaponry
39	Portrait		
117	vanderHelst		
668	Oil		
191	17th Cent.		
272	77		
422	Europe		
432	Northeast Eur.		
623	Louvre		
499	Figure		
5	Frames		
174	AD		
296	AD		
313	17th Cent.		
460	Gaul/France		
490	Mercantile Est.		
511	Other		
586	Portrait		
589	Group		

NO. 90 TITLE Rest on Flight into

IDENTIFIER TERMS

NO.

684	deGelder		
35	Painting		
39	Portrait		
668	Oil		
191	17th Cent.		
263	68		
422	Europe		
432	Northeast Eur.		
653	Mus.FineArts		
	Boston		
485	Bib/Rel.		
174	AD		
296	AD		
297	1st Cent.		
469	Syria/Pal.		
499	Figure		
505	Bib.Figures		
586	Portrait		
589	Group		
594	Religious		

NO. 92 TITLE Dutch Cook

IDENTIFIER TERMS

NO.		SUBJECT-ART FORM	
35	Painting		
39	Portable		
668	Oil		
685	Metsu		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
524	Genre		
623	Louvre		
174	AD		
296	AD		
313	17th Cent.		
460	Gaul/France		
493	Non-royal hab.		
499	Figure		
511	Other		
586	Portrait		
587	Single		

NO. 93 TITLE The Crucifixion

(Dutch - Anon.)

IDENTIFIER TERMS

NO.

35	Painting		
39	Portrait		
668	Oil		
191	17th Cent.		
422	Europe		
432	Northeast Eur.		
485	Bib./Rel.		
653	Mus.FineArt		
	Boston		
174	AD		
526	Lit.Authors		
530	John Donne		
563	Sonnet		
296	AD		
297	1st Cent.		
351	34		
469	Syria/Pal.		
499	Figure		
505	Bib.Figure		
586	Portrait		
589	Group		
594	Religious		

NO. 94 TITLE Hotel de Sully

Rue St. Antoine

IDENTIFIER TERMS

NO.

[illegible]

NO. 95 TITLE Mevr. Johannes Elison

IDENTIFIER TERMS

NO.

35	Painting		
39	Portrait		
668	Oil		
109	Rembrandt		
191	17th Cent.		
229	34		
422	Europe		
432	Northeast Eur.		
499	Figure		
586	Portrait		
587	Single		
653	Mus.Fine Art		
	Boston		
3	Clothing		
14	Textiles		
174	AD		

NO. 96 TITLE Chateau Maisons -

Laffitte, Gobelin Tapestry

IDENTIFIER TERMS

NO.

[illegible]

NO. 97 TITLE The Louvre -

The Flora Pavilion

[illegible][illegible]

NO. 98 TITLE The Carousel Arch

IDENTIFIER TERMS

NO.

[illegible]

NO. 99 TITLE Twelfth-Night Feast

IDENTIFIER TERMS

NO.

<u>35</u>	<u>Painting</u>	<u>511</u>	<u>Other</u>
<u>39</u>	<u>Portrait</u>	<u>586</u>	<u>Portrait</u>
<u>668</u>	<u>Oil</u>	<u>589</u>	<u>Group</u>
<u>111</u>	<u>Jan Steen</u>	<u>590</u>	<u>Recreational</u>
<u>191</u>	<u>17th Cent.</u>		
<u>257</u>	<u>62</u>		
<u>422</u>	<u>Europe</u>		
<u>432</u>	<u>Northeast Eur.</u>		
<u>524</u>	<u>Genre</u>		
<u>653</u>	<u>Mus.FineArt</u>		
	<u>Boston</u>		
<u>174</u>	<u>AD</u>		
<u>296</u>	<u>AD</u>		
<u>313</u>	<u>17th Cent.</u>		
<u>460</u>	<u>Gaul/France</u>		
<u>483</u>	<u>Allegorical</u>		
<u>486</u>	<u>Buildings</u>		
<u>490</u>	<u>Shops</u>		
<u>499</u>	<u>Figures</u>		

NO. 100 TITLE Luis de Gongora y Argote

IDENTIFIER TERMS

NO.

<u>35</u>	<u>Painting</u>	<u>_____</u>	<u>_____</u>
<u>39</u>	<u>Portrait</u>	<u>_____</u>	<u>_____</u>
<u>668</u>	<u>Oil</u>	<u>_____</u>	<u>_____</u>
<u>159</u>	<u>Velasquez</u>	<u>_____</u>	<u>_____</u>
<u>191</u>	<u>17th Cent.</u>	<u>_____</u>	<u>_____</u>
<u>217</u>	<u>22</u>	<u>_____</u>	<u>_____</u>
<u>422</u>	<u>Europe</u>	<u>_____</u>	<u>_____</u>
<u>430</u>	<u>Iber. Penin.</u>	<u>_____</u>	<u>_____</u>
<u>586</u>	<u>Portrait</u>	<u>_____</u>	<u>_____</u>
<u>587</u>	<u>Single</u>	<u>_____</u>	<u>_____</u>
<u>653</u>	<u>Mus.FineArt</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>Boston</u>	<u>_____</u>	<u>_____</u>
<u>174</u>	<u>AD</u>	<u>_____</u>	<u>_____</u>
<u>296</u>	<u>AD</u>	<u>_____</u>	<u>_____</u>
<u>378</u>	<u>61</u>	<u>_____</u>	<u>_____</u>
<u>313</u>	<u>17th Cent.</u>	<u>_____</u>	<u>_____</u>
<u>344</u>	<u>27</u>	<u>_____</u>	<u>_____</u>
<u>499</u>	<u>Figure</u>	<u>_____</u>	<u>_____</u>
<u>508</u>	<u>Poet</u>	<u>_____</u>	<u>_____</u>

NO. 101 TITLE Mulay Ahmad

NO. 102 TITLE Fontainebleau

Salon of Louis XIII

IDENTIFIER TERMS			
NO.			
<u>35</u>	<u>Painting</u>	<u>499</u>	<u>Figures</u>
<u>39</u>	<u>Portrait</u>	<u>500</u>	<u>Kings</u>
<u>668</u>	<u>Oil</u>		
<u>68</u>	<u>Rubens</u>		
<u>191</u>	<u>17th Cent.</u>		
<u>293</u>	<u>98</u>		
<u>422</u>	<u>Europe</u>		
<u>432</u>	<u>Northeast Eur.</u>		
<u>526</u>	<u>Lit.Authors</u>		
<u>531</u>	<u>John Dryden</u>		
<u>568</u>	<u>Drama</u>		
<u>586</u>	<u>Portrait</u>		
<u>587</u>	<u>Single</u>		
<u>653</u>	<u>Mus.FineArt</u>		
	<u>Boston</u>		
<u>3</u>	<u>Clothing</u>		
<u>174</u>	<u>AD</u>		
<u>296</u>	<u>AD</u>		
<u>313</u>	<u>17th Cent.</u>		
<u>390</u>	<u>73</u>		
<u>353</u>	<u>36</u>		
<u>456</u>	<u>Asia.Minor</u>		

[illegible]

NO. 103 TITLE Fray Felix Hortension

Pravicino

IDENTIFIER TERMS			
NO.			
35	Painting		
39	Portrait		
668	Oil		
151	El Greco		
191	17th Cent.		
204	09		
422	Europe		
430	Iber. Penin.		
485	Eib/Rel.		
586	Portrait		
587	Single		
653	Mus.FineArt		
	Boston		
174	AD		

NO. 104 TITLE Hall of Mirrors.

Amalienburg Palace at Munich

[illegible]

NO. 105 TITLE Cheverny, Chateau

(Interior Staircase)

IDENTIFIER TERMS

NO.

[illegible]

NO. 106 TITLE Chelsea Hospital -

Courtyard

IDENTIFIER TERMS

NO.

[illegible]

NO. 107 TITLE Hampton Court

(Garden Facade)

IDENTIFIER TERMS

NO.

17	Architecture		
20	Elevation		
22	Landscape		
678	Wren		
422	Europe		
425	British Isles		
486	Buildings		
174	AD		
191	17th Cent.		
284	89		
486	Buildings		
487	Palaces & Exec.Res.		
526	Alexander Pope		
560	Poetry		

NO. 108 TITLE Luxembourg Palace

(Garden Front)

IDENTIFIER TERMS

NO.

[illegible]

NO. 109 TITLE Church of St. Paul &

St. Louis

IDENTIFIER TERMS

NO.

[illegible]

NO 110 TITLE Vaux-le-Vicomte

Chateau Garden Side

IDENTIFIER TERMS

NO.

[illegible]

NO. 111 TITLE Church of Val de Grace

(Facade)

IDENTIFIER TERMS

NO.

[illegible]

NO. 112 TITLE St. John's College.

3rd Court with Bridge of Sighs

IDENTIFIER TERMS

NO.

[illegible]

NO.113 TITLE **General View of Piazza**

NO. **114** TITLE **Ham House (Exterior)**

IDENTIFIER TERMS

NO.

[illegible]

IDENTIFIER TERMS

NO.

17	Architecture
20	Elevation
22	Landscape
191	17th Cent.
Note: Period of Artisan Mannerism	

NO. 115 TITLE Whitehall, Banqueting Hall

NO. 116 TITLE Boy Singing

IDENTIFIER TERMS

NO.

[illegible]

IDENTIFIER TERMS

NO.

35	Painting		
39	Portable		
668	Oil		
114	Terbrugghen		
191	17th Cent.		
222	27		
422	Europe		
432	Northeast Eur.		
524	Genre		
584	Musical		
586	Portrait		
587	Single		
653	Mus.FineArt		
	Boston		
174	AD		

NO. 117 TITLE Shepherds of Arcady

NO. 118 TITLE Cheverny, Chateau,

Guardroom

IDENTIFIER TERMS

NO.

35	Painting		
39	Portrait		
668	Oil		
91	Poussin		
191	17th Cent.		
422	Europe		
427	Gaul/France		
483	Allegorical		
526	Lit. Authors		
535	John Milton		
565	Pastoral		
623	Louvre		
15	Tombs		
174	AD		
296	AD		
313	17th Cent.		
460	Gaul/France		
499	Figures		
511	Other		
585	Mythological		
586	Portrait		
589	Group		

IDENTIFIER TERMS

NO.

[illegible]

NO. 119 TITLE Tanlay, Grand Chateau

IDENTIFIER TERMS

NO.

[illegible]

NO. 120 TITLE Sheldonian Theater

(Facade)

IDENTIFIER TERMS

NO.

[illegible]

NO. 121 TITLE St. Louis des Invalides

(Interior)

IDENTIFIER TERMS

NO.

[illegible]

NO. **122** TITLE **Chateau-de-Rosny**

(Garden Side)

IDENTIFIER TERMS

NO.

[illegible]

NO.123 TITLE Cour Royale with Chapel

IDENTIFIER TERMS

NO.

[illegible]

NO. 124 TITLE Queen's House

(Exterior)

IDENTIFIER TERMS

NO.

[illegible]

NO. 125 TITLE Hatfield House

(South Front)

IDENTIFIER TERMS

NO.

[illegible]

NO. 126 TITLE Vaux-le-Vicomte.

Gardens: Le Notre

IDENTIFIER TERMS

NO.

[illegible]

NO. 127 TITLE Cheverny, Chateau

(Dining Room Mantel)

IDENTIFIER TERMS

NO.

[illegible]

NO. 128 TITLE Chateau Maisons-Laffitte

(Facade)

IDENTIFIER TERMS

NO.

[illegible]

NO. 129 TITLE Syon House,

Brentford

IDENTIFIER TERMS

NO.

[illegible]

NO. 130 TITLE Grand Trianon.

Versailles

IDENTIFIER TERMS

NO.

[illegible]

NO. 131 TITLE Carnavalet Museum, entrance
court - Bruant's facade (left)

IDENTIFIER TERMS

NO.

[illegible]

NO. 132 TITLE Cheverny, Chateau

King's Bedroom

IDENTIFIER TERMS

NO.

[illegible]

NO. 134 TITLE Cheverny, Chateau

(Facade)

IDENTIFIER TERMS

NO.

<u>17</u>	<u>Architecture</u>	_____
<u>20</u>	<u>Elevation</u>	_____
<u>174</u>	<u>AD</u>	_____
<u>191</u>	<u>17th Cent.</u>	_____
<u>422</u>	<u>Europe</u>	_____
<u>427</u>	<u>Gaul/France</u>	_____
<u>486</u>	<u>Buildings</u>	_____
<u>487</u>	<u>Palaces & Exec.Res.</u>	_____

NO. 136 TITLE Cheverney. Chateau

(Great Salon)

IDENTIFIER TERMS

NO.

<u>17</u>	<u>Architecture</u>	<u>_____</u>
<u>677</u>	<u>Interior</u>	<u>_____</u>
<u>174</u>	<u>AD</u>	<u>_____</u>
<u>191</u>	<u>17th Cent.</u>	<u>_____</u>
<u>422</u>	<u>Europe</u>	<u>_____</u>
<u>427</u>	<u>Gaul/France</u>	<u>_____</u>
<u>486</u>	<u>Building</u>	<u>_____</u>
<u>493</u>	<u>Non-royal hab.</u>	<u>_____</u>
<u>1</u>	<u>Applied Art</u>	<u>_____</u>
<u>5</u>	<u>Frames</u>	<u>_____</u>
<u>6</u>	<u>Furnishings</u>	<u>_____</u>

NO. 137 TITLE Cheverny, Chateau

and Grounds

IDENTIFIER TERMS

NO.

[illegible]

NO. 138 TITLE Church of St. Gervais,

Paris, facade

IDENTIFIER TERMS

NO.

[illegible]

NO. 139 TITLE Cardinal Richelieu

IDENTIFIER TERMS

NO.

35	Painting	594	Religious
39	Portrait		
668	Oil		
78	deChampaigne		
191	17th Cent.		
422	Europe		
427	Gaul/France		
485	Bib./Rel.		
499	Figure		
505	Clerics		
586	Portrait		
587	Single		
3	Clothes		
174	AD		
296	AD		
402	85		
313	17th Cent.		
359	42		
460	Gaul/France		

NO. _____ TITLE _____

IDENTIFIER TERMS

NO.

[illegible]

APPENDIX D

A SEARCH AND RETRIEVAL SYSTEM FOR MEDIA PERIODICALS DESCRIBING A MANUAL SEARCH AND RETRIEVAL SYSTEM

A Search and Retrieval System for Media Periodicals

Robert M. Diamond

A major resource for individuals in the field of instructional communications is the wide variety of professional publications serving the area. While the ERIC Clearinghouse in Media at Stanford is abstracting and developing a retrieval system for research publications and individual documents, it does not cover material found in journals and professional magazines. Present periodical indexing systems using broad categories are of little help to the individual seeking information related to a specific area of interest.

Realizing the importance of this vast resource, the Commission on Information Science of DAVI has proposed a search and retrieval system designed specifically for media journals and periodicals. The proposed system has the following advantages:

- It permits the user to use specific search terms. For example, all articles on the use of films with culturally disadvantaged elementary children in urban areas can be identified in one operation, with only those articles combining these topics being indicated.
- It is quick and easy to use. All articles in a library directly related to the topic can be identified and located in a few minutes.
- It is flexible. New search terms can be added as needed. Specialized publications and libraries are able to add specific terms designed to meet their unique needs. (A series of search terms in television and radio for the *NAEB Journal* and in computer science for the *Data Processing Journal*, etc.)
- It can be used with optical-manual or computerized retrieval systems. An optical-manual system can be implemented by any school district, college, or media center for an equipment and material investment of under \$2,000. With cooperation between units, this cost can be reduced by 75 percent.

TABLE I—Proposed Content Identifiers

GENERAL		MEDIA, continued	
1	Bibliography	51	Overhead Transparencies
2	Evaluation	52	Programed Instruction
3	Granting Agencies	53	Radio
4	Media Centers	54	Silent
5	Search and Retrieval	55	Sound
6	Systems Design	56	Slides
7	Survey	57	Television, Educational
8	Research	58	Television, Instructional
9	Rural	59	Television, Overhead (Single Room)
10	Utilization	60	Video Recording
11	Urban		
MEDIA ADMINISTRATION		TEACHING CONFIGURATIONS	
12	Administration	61	Independent Study
13	Audiovisual Services	62	Small Group
14	Budget	63	Large Group
15	Equipment		
16	Facilities	SUBJECTS	
17	Production (development)	65	Art and Architecture
18	Staffing	66	Audiovisual
		67	Biological Science
GRADE LEVEL		68	Composition
20	Pre-school	69	Computer Science
21	K-6	70	Curriculum
22	7-9	71	Economics
23	10-12	72	Education
24	Junior College and Lower Division	73	Educational Theories
25	Upper Division	74	English Literature
26	Graduate	75	Geography
27	Adult-Continuing Education	76	History
28	Non-graded	77	Humanities
29	In-Service, Teacher	78	Information Science
		79	Industrial Arts
STUDENT VARIABLES		80	International Education
30	Ability, Low	81	Languages
31	Ability, High	82	Language Arts
32	Culturally Disadvantaged	83	Library Science
33	Grouping, Homogeneous	84	Mathematics
34	Grouping, Heterogeneous	85	Music
35	Handicapped; Blind, Deaf, other	86	Nursing
36	Low Achievers	87	Medical, Dental
37	Motivation	88	Philosophy
		89	Physical Education, Health & Recreation
MEDIA		90	Physical Science
38	Academic Course	91	Political Science
39	Audio, Disc	92	Psychology
40	Audio, Tape	93	Reading
41	Carrels, Media	94	Science, General
42	Computer	95	Statistics
43	Computer-Assisted Instruction	96	Teacher Training
44	Computer-Directed Instruction	97	Technology
45	Dial Access	98	Vocational Education
46	Film, 8mm		
47	Film, 16mm		
48	Filmstrip		
49	Microteaching		
50	Multimedia		

- It is possible and practical for past issues to be read and indexed with a complete deck of search cards covering from four to eight publications being reproduced photographically and sold to media libraries at cost.
- The same system can be applied to all media publications and can provide, if publications outside of DAVI are willing to cooperate, a single indexing system for the entire field.

The basic system being recommended was first developed by the Office for the Study of Instruction at the University of Miami in Coral Gables, Florida, (See "A Storage and Retrieval System for Documents in Instructional Resources," Robert M. Diamond with Berta Grat-tan Lee), then modified by the In-structional Resources Center at the State University College in Fre-donia, New York. Experience has

shown that most users do not re-quire an extensive content identifier list (the original now has over 750 terms). For ease of operation the list, therefore, has been reduced to approximately 100 terms. This re-duction not only lowers the expense of implementation, but markedly simplifies the use of the system.

The system itself has three com-ponents: first, the assignment of content identifiers to each article; second, collection organization; and third, search and retrieval.

A major problem facing an in-dividual interested in locating ma-terials that contain information di-rectly associated with his needs is that titles are often vague and mis-leading and that most indexing sys-tems are extremely general. For ex-ample, a teacher interested in what has been written about projects using programed instruction to

teach mathematics to high ability sixth grade culturally disadvan-taged urban students would be faced with the task of searching through all those articles listed under pro-gramed instruction to find those articles dealing with his specific topic of interest. In the proposed system, however, this teacher would simply combine the following six identifiers: programed instruction, mathematics, high ability, sixth grade, culturally disadvantaged, and urban, and would immediately be directed to only those articles that were indicated as having content that combined these six areas.

The importance of the identifier list thus becomes obvious. The terms in the list must be selected to cover the major needs of individ-uals using the materials and yet be short enough to permit relatively easy use. A tentative list of pro-posed content identifiers will be found in Table I.

This list has been organized to cover the main areas of the field with general grouping used to per-mit easy use. As noted in the in-troduction, additional terms may be added and inserted anywhere in the system without difficulty.

Identifiers would be assigned to major articles by the author, sub-ject to review by the editors. While some articles may require as many as 20 identifiers, the average is ap-proximately five or six, with arti-cles based on specific research run-ning slightly higher. Examples of the proposed list applied to articles in *Audiovisual Instruction* and *AV Communication Review* will be found in Table II. It is proposed that the identifiers be included within the indexes of the individual publications.

Two numbers are basic to the sys-tem. First, each article selected for inclusion in the system is given a search number. Since most optical systems are limited to 10,000 items, each series would fall within this range. When the number of items passes 10,000, an additional system is added. It is, therefore, possible to combine several period-icals in the same system by assign-ing several thousand search terms to each. For example, *Audiovisual Instruction* averages seven major articles per issue, *AV Communica-tion Review* approximately five, *Educational Technology*, four, *AV Guide*, six, and *Educational Broad-casting Review*, eight. Thus 20 years of these five publications could be contained in a single sys-tem that might be divided as follows:

PERIODICAL FILE					
Number	Title: Role of Peer Influence and Aspects of Group Use of Programed Materials				
2157	Author: Robert L. Crist				
Periodical: AV Communications Review Vol.No.15Page No423					
Published by: Department of Audiovisual Instruction No. 4					
CROSS FILING					
Name	No.	Name	No.	Name	No.
Evaluation	2	Small Group	63		
Research	8	Information			
Jr. College & Lower Division	24	Science	78		
Grouping, Homogeneous	33				
Programed Instruction	52				
Independent Study	62				

TABLE II--Content Identifiers Applied to AVI and AVCR

Audiovisual Instruction, Vol. 11, No. 4, April 1966

1. Page 242 *Apprentice or Socratic? Which Role for the Educational Broadcaster?* by Henry C. Alter

Evaluation; Adult-Continuing Education; Television, Educational; Television, Instructional

2. Page 246 *Materials Systems for Adult Basic Education*, by Monroe C. Neff

Evaluation (2); Systems Design (6); Adult, Non-Graded (27, 28); Multimedia (50)

AV Communication Review, Vol. 15, No. 4, Winter 1967

3. Page 345 *Multimedia Systems: A Review and Report of a Pilot Project*, by Daniel Smith, Morton Schagrin, and L. Eugene Poorman

Research; Evaluation; Grade Level 10-12; High Ability; Multimedia; Independent Study; Physical Science

4. Page 402 *Instructional Product Development: Two Approaches to Training*, by W. James Popham

Research (6); Production (development) (18); Graduate Level (26); Inservice Teacher Training (29); Programed Instruction (53); Heterogeneous Grouping (34)

(Examples 2 and 4 give both the identifier and its number as given in Table I.)

Twenty-Year Search Term Assignments

Audiovisual Instruction	0-1999
AV Communication	
Review	2000-2499
Educational Technology	2500-4499
AV Guide	4500-6499
Educational Broadcasting	
Review	6500-8499
Additional periodicals or items added locally	8500-9999

Each content identifier is also given an identification number with numbers being consecutive and new terms simply being given the next number available.

Briefly, if any optional search system is being used, the process is as follows. For our example we will use the following article as it might appear in the index of AV Communication Review.

2157 Role of Peer Influence
and Aspects of Group
Use of Programed Ma-
terials . . . Robert L.
Crist 423
(2, 8, 24, 33, 53, 62,
63, 78)
Content Identifier Numbers

Search (Editors may pre- **Page**
Number fer listing by name **Number**
and number)

1. If desired, a standard author and title card is prepared.
2. A search card is typed. This would look as follows:
3. In a single operation, the search number (2157) is punched into the content identifier cards (see illustration 1) of the identifiers selected for the document. Each identifier has its own card with a grid system of 10,000 numbers (see illustration 2).

Retrieval

The retrieval sequence for users of the system is not only rapid but easy to learn and consists of these basic steps:

1. The user first selects from the list of search terms those which meet his needs. (Illustration 3.)
2. He then places the selected identifier cards together on a light box to find numbers of those articles which have been identified to contain all the topics he has selected. (Illustration 4.)



1 In a single operation the search number for the individual article is punched into the content identifier cards of the identifiers selected for that document.

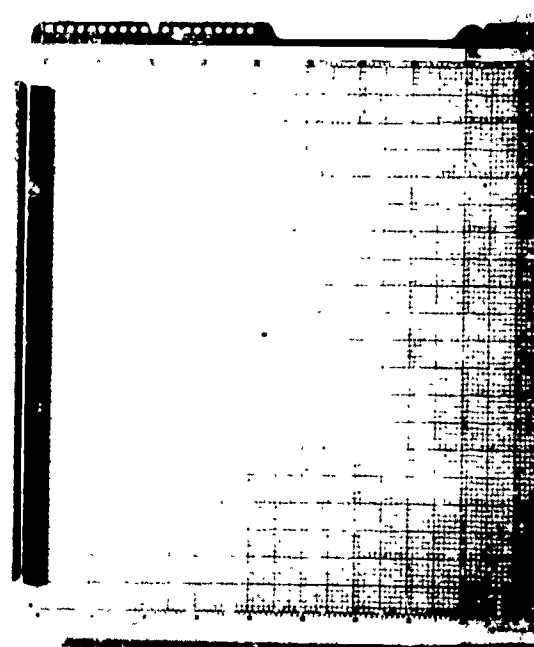
3. The articles are then located in the collection. Since periodicals are shelved numerically by their retrieval number, locating a specific article is simple. Users wishing to have additional information before going to the shelves may use the typed search card to find author, title, and the complete list of identifiers under which the article is filed.

In a computer based system, the search number would simply be typed on the terminal with an immediate printout of the identified articles being obtained. The computerized system has the added potential of providing brief abstracts of each article.

3 The user first selects from the list of search terms those which meet his needs



Photos by T. L. Lindquist



2 Identifier cards have a grid system of 10,000 numbers. There is one identifier card for each identifier term used in the system. Holes represent documents which have the particular identifier term assigned. In this particular card, each hole represents an article concerning the elementary grades.

The DAVI Commission on Information Science believes that the proposed system would provide the media profession with a highly efficient method of retrieving a broad spectrum of written resources at a price within the range of most budgets. The use of content identifiers in the index of the periodicals and journals would, by itself, be of major assistance to individuals desiring specific information in this rapidly growing field of instructional technology. It is for this reason that this system has been proposed for adoption.

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4 He then places the selected identifier cards together on a light box to find numbers of articles which have been identified to contain all the topics he has selected.

